**Lonely Octopus Syllabus**

**AI AGENT BOOTCAMP**

**Week 0**

**Kickoff & Laying the AI Agent Foundations**

Details

The first week is all about laying the foundations for you to build the best AI agents. We’ll cover what an AI agent really is.

And dive into their true capabilities so you can pick the best projects to build.

Then we’ll help you set up your full agent tech-stack, map your project goals and show you how to get the most out of the bootcamp.

**Week 1**

**How to Build An AI Agent**

Details

We’ll walk you through the fundamentals frameworks you need to build AI agents.

You’ll learn how to get the most out of each component - the prompts, models, tools, knowledge, memory and more.

And you’ll learn how an agent ‘thinks’ so you can more easily map out the best agentic system.

By the end of the week, you’ll know the key fundamentals and have built a simple that focuses on executing one task very well.

**Week 2**

**How to Make An Agent ‘Human-Like’**

Details

It’s time to make your agent genuinely useful in the real world.

During this week, you’ll see how you make your agent ‘context-aware’ so that it can adapt and make decisions based on real-world data.

You’ll also build multi-step workflows and tools for your agent to execute so that it can perform more complex tasks.

Your agent will now start to feel like a mini co-worker who can automate parts of your workflow.

**Week 3**

**How To Build An Advanced Multi-Agent System**

Details

During this week, you’ll build your first ‘team’ of AI agents.

You’ll have an agentic system built of individual agents each with their own role, communicating with each other seamlessly to automate an entire workflow.

We’ll start by covering key multi-agent design patterns.

You’ll learn the strengths and weaknesses of each one so you know the perfect one to apply to your projects.

This is when all the previous work you’ve done will really start to click and connect together.

**Week 4 (Bonus Week)**

**How to Launch Your Agent to the Public**

Details

Although you’re now built a multi-agent system and are able to build many more.

We want to take you a step further.

So we’re including an additional bonus week where you actually deploy your AI agent so that it’s usable by the general public.

You’ll learn some advanced debugging techniques to make sure your agent is robust enough to deploy.

And you’ll learn to package your agent so the public can easily interact with it.

We’ll also cover some storytelling techniques to help position and pitch your agents so that people and businesses want to use them.